FLORIDA SKIP

FLORIDA SKIP

VOL. 9 NO. 5 The All Florida Radio Amateur's Publication OCTOBER 1965 Price 20¢

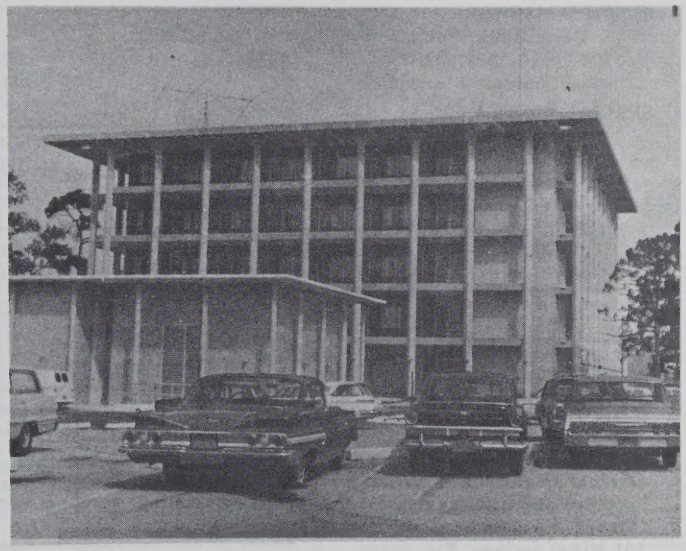
FLORIDA S.E.T.

A mere hurricane isn't enough for Florida amateurs. We gotta have SET, too. This year's exercise is skedded for Oct. 9-10 and is designed as a test of local ARPSC teams as well as the National Traffic System emergency communications plan. Be sure to check with your EC and sign up in AREC if you haven't already done so. (It is not necessary to be a member of ARRL to belong to AREC or to take part in SET.)

This year, at the request of Ontario SEC VE3EUM, we want to make a special effort to originate traffic from Canadians in Florida to their homes in Canada and to their Red Cross chapters at home. Try to scrounge up at least one message from a Canadian in Florida, and put it into the National Traffic System through one of the Florida ARPSC nets. OK?

Your EC is getting special info and instructions by mail about SET. In general, we hope he will set up a local drill in addition to manning the emergency nets which are in operation. The drill can be almost any kind of activity which will test the effectiveness of mobile coverage of your county, local net coverage, emergency power operation, long-haul v.h.f. work into a Key City or a combination of all of these. Another big point common to all SET operations will be increasing familiarity with procedures for handling formal message traffic (can you write a message in standard form without looking at a message blank?) and procedures of traffic net operation. If you don't check into any traffic nets, volunteer for an assignment at some station in an emergency net this time. If you work only voice nets, brush up the c.w. and check in on QFEN so you can become familiar with c.w. net procedures. If you work only c.w. nets, recite a few "how now brown cow's" and take a duty trick at a voice station. It's surprising (to a c.w. man) how crisp and clean procedures on a good voice net can be. (And we have good ones. If you don't believe it, take a listen to some of the garbage you can tune in on some other circuits.)

See you in SET?



This is the new Miami Weather Bureau and Hurricane center (top two floors) where WA4TBM, WA4MGG and others set-up and operated before, during, and after Hurricane Betsy. They gave all the latest hurricane advisories on 3940 SSB which gave excellent coverage to the smaller outlying Area where communication service was slow. Mr. Dunn and Mr. Pardue seemed very happy with the amateur radio service provided to the Center. The building is located at the U. of Miami in Coral Gables, Fla. The LARGE beam on left is used for the hurricane hunter aircraft on commercial frequencies.

(Fla. SKIP photo.)

ANNOUNCEMENT

Everyone is invited to the Flamingo Annual Bar-B-Q Oct. 23rd (Saturday) beginning at 2 PM at Harvey Seeds Post, 66th east off Biscayne Blvd. Bring your junk for auction. Advance $1.25 adults, $.75 children, and $1.50 adults $1.00 children at gate.

BEYOND CALL OF DUTY

At 0700 June 25 in Gainesville, while using WA4UHT/4 I called CQ Emergency Miami. The telephone service in Gainesville was out due to lightning. My two daughters,

(Continued on Page 12)

SILENT KEYS

We regret to inform you of the passing of four fellow amateurs, Norman A. O'Harra, K8OUE/4 of Port Charlotte, Don McGuire, WA4EDP of Gainesville, Dick Canfield, W4BXL Miami, Fla., and Bob Henry, W4SXJ, Leesburg, Fla. Our deepest sympathies go to their families.

SOAP BOX DERBY

By Bill Wells, K4RDP

In a recent running of a SOAP BOX DERBY event in Jacksonville, the Gainesville Radio Amateur Society had the pleasure of its sponsored "Blue Flash" racer placing Second in the Class "B" event. A week later we watch-

(Continued on Page 4)

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FLORIDA SKIP AWARD NOMINATING COMMITTEE: Herb Hamilton, K4KDN. 1524 S. Lake Howard Dr., Winter Haven – Evelyn D. Gauzens, W4WYR. 2780 N.W. 3rd St., Miami 33135.

Dear Mabel XYL Award, c/o Skip, Box 501, Miami Springs, Fla.

FLORIDA SKIP CORRESPONDENTS

IT'S A FACT. Geo. Hunt, W4NUT 1218 S.W. 21st Ct., Ft. Lauderdale

CARTOONIST, Dewey Gilleland, K4YSP, 2016 San Marco Blvd. Jacksonville, Fla.

DX, W4LVV, Chuck Bolvin, 2210 S.W. 27th Lane, Miami, Fla. 33133

HINTS & KINKS. R. V. Frederick, K4UGC, 460 N. W. 108th Terrace, Miami 33150.

ONYX, MABEL, THE OLD TIMER c/o Florida Skip, P.O. Box 501 Miami Springs, 33166.

W. FLORIDA NEWS, Frank Butler, Jr., W4RKH. 404 E. Elliot Rd., Ft. Walton Beach.

160 M. Dave Hayden, W4WHK. 630 River Road, Orange Park, Fla.

VHF – Bertha Eggert, WA4BMC, 1510 – 17th Ave., No., Lake Worth

NETS

FSBA, Walt Bloecker, WA4PSD, 380 – B So. Palm Dr., Satellite Beach.

FMTN, Clyde Mashburn, W4SDR 25 So. Halifax, Daytona Beach

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SCM–WEST FLORIDA. Frank M. Butler, Jr., W4RKH, 494 Elliot Rd. Ft. Walton Beach, Fla.

SEC–EASTERN SEC. Andy Clark, W4IYT. 41 Lenape Dr., Miami Springs 33166.

SEC–WESTERN SEC. George Thurston, W4MLE, 2116 Gibbs Dr., Tallahassee,

CLUBS

Broward, ARC, Mike O'Brien – WA4DYR, 100 N.E. 26th Drive, Wilton Manors, Florida 33308.

Dade, RC, Dick Burns, WA4SPS, 3695 S.W. 5th St., Miami 33135.

FLORIDORAS, Kathleen Murray, WA4JBS, 25 N.E. 135th St., Miami, Florida

Jacksonville, NFARS. Louise Chandler, WA4KLN. 7642 Laura St., Jacksonville 32208.

Orlando, ARC, Hal Shea, W4BKC 736 Alfred Dr., Orlando.

Tampa, HARS, Ron Griffith, WA4MKX. RFD 1, Box 304, Odessa.

Tampa, TARC, Don Fischer, WA4CJG, 4622 Beach Park Dr., Tampa, Fla. 33609.

Vero Beach, Dennis Yantz – WA4YFY, P. O. Box 44, Vero Beach, Fla. 32960.

PLEASE USE ZIP NUMBERS

FROM THE EDITOR

Ole Betsy caused quite a mess here in South Florida, as you probably know. Needless to say our Florida ARPSC nets Charlie (3940) and Delta (3651) swung into action when a Condition Two was established by the SEC of E. Fla. Traffic was light but all stations were ready and NCS's right on the ball. WA4TBM and WA4MGG set up a SSB rig smack dab in the U. S. Hurricane Center in Coral Gables and broadcasted all the Hurricane advisories hot off the press there. They also collected pressure readings around the state on 3940 kc. The Dade County CD station K4TFS, Red Cross Miami Chapter station K4IWT, CD back-up WA4JKF in North Miami were fully manned and c.w. (QFEN) back-up K4OSQ was active in Miami Springs. We had man power stacked on man power ready for action. Despite heavy winds and rain, most of the commercial communications north of Miami held up beautifully. Communications and power lines went down in the Keys, but somehow the traffic got thru.

All in all our Florida AREC Plan worked well. All net managers and members are to be congratulated on a job well done.

Florida SKIP will print a complete report on Betsy as soon as the reports are all in.

Despite Dear Ole Betsy, SKIP went to press right on time. Ye editor hasn't been getting much sleep, but the work is getting done, and that is all that matters.

All ARRL members will receive their ballots to vote for a Director and Vice Director. As you probably know by now, W4LVV, Chuck Bolvin from Miami is up for Director and K4SJH, Al Hamel, our very able SCM is going for the Vice Director spot. These two are running as a team. We hope to have their platform elsewhere in this issue. If you haven't done so, we strongly urge you to vote. Should we mention the calls?

Please take note of the Simulated Emergency Test notice in this issue. 80 percent of the state was not brushed by Betsy, so let's get in there and get a good work out on the SET.

73,
A.C.

Letters to the Editor

Editor SKIP:

Sorry congrats are late for your latest dual QSO - hope XYL and babies doing OK. Just want to let your readers know that the SKIP sure got a good going over at the Athens Radio Club. By the way, most GI's on the air here are on the high end of 20 meters between 2200 and 0200 GMT.

73,
Tom, WA5EMP/5V

Dear Andy,

Did some little gremlin get into the SKIP and turn the negative over for the picture of the little red caboose?

Cordially yours,
Thos. H. Lipscomb, M.D.
W4RTJ

(EDITOR'S NOTE: You are so right Tom.)

Dear Editor:

Enclosed is my two skins for my re-subscription to SKIP. I wouldn't miss an issue! Since I have been subscribed to SKIP I have had my voice in a couple of Fla. activities such as the Miami Hamboree and the Fla. QSO party.

I think that the QSO party was a great success, and if it hadn't been for SKIP, my letter would not have been published and seen by Dave, W4WHK, who started the ball rolling.

Very best 73,
Charlie Wooten WA4IMC
PANAMA CITY

I enjoy reading the letters both prc and con on various issues in Skip. There seems however, to be quite a bit of join the crowd and follow the leader in ham radio as well as politics, and those with "guts" enough to oppose are automatically listed as righters or lefters or radicals.

In this incentive squabble. It was brought about as can well be seen by the number of filers. A mere handful, and likewise a few in the FCC who apparently have become tired of being pestered by these filers. Now have decided they know what is good for the hundred or so thousand hams.

Frankly a few words increase in

(Continued on Page 15)

DRAKE T-4X TRANSMITTER

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SPECIFICATIONS — T-4X

FREQUENCY COVERAGE: 3.5-4.0 Mc, 7.0-7.5 Mc, 14.0-14.5 Mc, 21.0-21.5 Mc, and 28.5-29.0 Mc with crystals supplied. Four accessory crystal sockets are provided for coverage of additional 500 Kc ranges between 1.8 and 30.0 Mc.

DIAL CALIBRATION: Main dial calibrated 0 to 500 Kc and 500 to 1000 Kc in 5 Kc divisions. Vernier dial calibrated 0 to 25 Kc in 1 Kc divisions. **CALIBRATION ACCURACY:** Better than 1 Kc when calibrated to nearest 100 Kc point.

STABILITY: Less than 100 cycles after warm up. Less than 100 cycles with 10% change in line voltage.

MODES OF OPERATION:

- **SSB:** Upper or lower sideband on all bands. VOX or push-to-talk.
- **CW:** Grid-block keying, VOX circuit is keyed for automatic transmit-receive switching. Sidetone oscillator is keyed for monitoring. Shifted carrier system has no spurious output.
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SIDEBAND SUPPRESSION: 40 DB above 750 CPS, **CARRIER SUPPRESSION:** 60 DB or better.

AVERAGE DISTORTION PRODUCTS: in excess of 30 DB down.

FREQUENCY RESPONSE: 300 to 2600 cycles at 6 DB down.

INPUT POWER: SSB and AM—200 watts PEP, CW—200 watts.

OUTPUT IMPEDANCE: Nominal 52 ohms adjustable with pi network. (SWR should be 2:1 or less.)

MICROPHONE INPUT: High impedance.

AGC: Operates on SSB to prevent flat topping due to overdrive.

CONTROLS AND JACKS:

- **Front:** Main tuning, accessory crystal switch, function switch, sideband selector, band switch, RF tune, gain, plate tuning, plate loading, transceive switch, plate current/relative output meter switch and microphone jack.
- **Side:** Anti-VOX/Sidetone gain and VOX gain.
- **Rear:** Power connector, mute jack, receiver antenna jack, Anti-VOX/Sidetone jack, key jack, antenna connector, ground post and R-4 injection jack.
- **Inside:** Carrier balance control.

POWER REQUIREMENTS: Model AC-3 power supply.

DIMENSIONS: 5½" high, 10¾" wide, cabinet depth 11⅝", overall length 12¼", weight 14 lbs.

T-4X FEATURES

- **Solid State Linear permeability tuned VFO** with 1 Kc divisions. Gear driven circular dial. High mechanical, electrical, and temperature stability.
- **Covers hambands 80, 40, 20, and 15 meters** completely and 28.5-29 Mc of 10 meters with crystals furnished.
- **160 Meters covered** with accessory crystal. Also certain other 500 Kc ranges between 1.8 and 30 Mc are available. Could include MARS, other 10 meter ranges, or VHF with transmitting converters.
- **Will transceive with R-4 Receiver** — Switch on T-4X determines frequency control by R-4 or T-4X VFO, or provides independent frequency control.
- **Upper or lower sideband** on all bands.
- **Automatic transmit receive switching on CW.** (Semi break-in)
- **Controlled carrier modulation** for AM is completely compatible with SSB linear amplifiers.
- **VOX or PTT**
- **Adjustable pi network output**
- **Two special crystal lattice filters** for sideband selection.
- **Transmitting AGC** prevents flat topping.
- **Meter reads relative output and plate current** selectable with front panel meter switch.
- **Built-in CW Sidetone**
- **Spotting Function** provided for easy zero-beating.
- **Easily adaptable to RTTY**
- **Compact size; rugged construction.**

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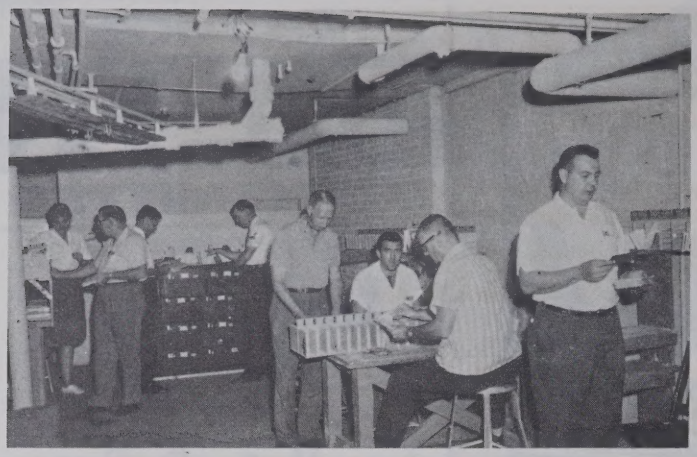

Here are some of the Frye Amateur Radio Club members L to R: K4QNI, Joyce; W4BWZ, Denver (Bureau Mgr.); K4HUO, Pete; W4JVM, "JD"; W4MF, Bert; K4FJR, Max; K4MRZ, Charlie, Pres. FARC; and K4CMY, Tom; working on the BIG back log of DX QSLs at their HQs in Chattanooga, Tenn. Get in your #50 Manilla in to Box 13 ASAP and let's help 'em clear that 104K backlog. See Operation of a Modern QSL Bureau by W4MF elsewhere.

Soap Box Derby

(Continued from Page 1)

ed our "Blue Flash" finish fifth in the Gainesville sponsored event.

Our builder-driver is Lothar was accompanied to an- of Reinhold Sommer, WA-4JMN.

At the banquet held in Jacksonville for the participants, Lothar was presented with a Medallion for his efforts. Needless to say his parents were very pleased.

The next week, after the running of the Soap Box Derby event in Gainesville, Lothar Sommer, age 11, the son other banquet by his parents and by Walt, W4TKE our club's president.

Walt was presented with an appropriate certificate by the local Junior Chamber of Commerce. The certificate was commending our club for sponsoring a boy in this event.

Also at this banquet, Lothar was presented with a real nice trophy for having the "BEST DESIGNED" racer.

At the August meeting of the Gainesville Radio Amateur Society, Lothar was given the personal thanks of the members present for his efforts and representation. The members presented him with a Code Practice Oscillator, a key and a code tape. He promised he'd try to do better next year and he probably will too ----

AMATEUR RADIO NEWS SERVICE

The Amateur Radio News Service is an organization of editors, publishers, etc. of amateur radio newspapers and magazines. The purpose of the organization is to assist editors and publishers in any way possible to help them get out a paper, easier, better, etc. For further information, write the Secretary, Helen Brick, 821 W. Lindley Ave., Philadelphia, Pa. 19141.

ARPSC NET TOTALS

NET	QNI	QTC	SESSIONS	TFC AVG
FAST	MISSING			
GATOR	254	251	31	8.1
WPTN	598	196	31	-
FPTN	401	458	26	18.3
FMTN	374	338	26	13.0
TPTN	MISSING			
VHFTN	158	213	19	11.2
QFN	866	1035	62	16.7

Blanks indicate no report received.

CHARLES BOLVIN - For ARRL Director

(W4LVV)

Licensed 1934 (W8LVV), ex W7GMA. Advanced Class. Official Observer, A1-Operator Club, Asst. Director 1954, 1963/64 Past-President, Treasurer, of Dade Radio Cub. Member of DRC Board of Directors for over ten years. Member of Tropical Hamboree & Convention Steering Committee past six years. Past-President of Florida DX Club and presently Editor of club bulletin (Florida DX Report). Member Quarter Century Wireless Assn., Radio Society of Great Britain, International Amateur Radio Club (4U1ITU). A.R.R.L. Public Service Certificates (2) for work during hurricane emergencies. DXCC (A1/A3), WAC (A1/A3), WAS, RCC, WAZ, WBE (A1/A3), DUF, WAE1, plus over 50 other operating certificates including CP35 and Section (E. Fla.) certificates as winner in DX Contests, Sweepstakes Contests, and W/VE Contests.

Personal: Age 50, married (3 daughters, one of whom is W8DDL), employed at Pan American World Airways, Miami, as Supervisor of Pneumatics/Airconditioning Engineering Group (DC8 & 707/720/727 jets). Graduate of University of Miami with degree in Business Administration. Ex Commercial Radio Op and still holds First Phone & First Telegraph. Served in U.S. Navy in WW II. Member, Nat'l Management Assn., SAT (Avai. Bus.) QTH: 2210 S.W. 27th Lane, Miami, Florida, 33133 Phone 305-448-5493.

ALBERT HAMEL - For Vice ARRL Director

(K4SJH)

First licensed in early 30's and has held calls: KA1US, VO6T, W1DTP, K2ILN, W3ORO, DL4EF. OPS, ORS, OES, a1-Operator Club, RCC. Public Service Award 1961. Past President of Broward Amateur Radio Club and member of Board of Directors. As DL4EF, was winner in DX Contests, 1952-3-4. As SCM, East Fla., during first term 1960/61, this Section achieved top place in Public Service, and continues to hold that position.

Main interests traffic and rag-chewing with DX interest centered on overseas traffic work.

Personal: Age 57, married, one daughter and one son. In military service from March 1926 until retirement, November 1954. Served in U.S. Navy (Radioman 1C), U.S. Coast Guard (Radioman 1C), U.S. Army (Tech Sgt.) and U.S. Air Force (Major). All but ten years in Communications and remainder Administrative (Comptroller).

QTH: 220 N.W. 25th Street, Pompano Beach, Florida, Phone 305-941-5480.

Now Brazil

On June 1, Brazil and the United States signed an agreement to permit the exchange of messages, on behalf of third parties, by amateurs of the two countries. The amateurs must have no pecuniary interest in such messages, and it must be traffic not considered important enough to be handled by regular commercial channel. The U.S. has previously signed similar agreements with Bolivia, Canada, Chile, Colombia, Costa Rica, Cuba, Dominican Republic, Ecuador, El Salvador, Haiti, Honduras, Liberia, Mexico, Nicaragua, Panama, Paraguay, Peru and Venezuela.

RENEWAL POLICY

NOTICE ALL SKIP SUBSCRIBERS. Starting with Mar. issue, all expiration notices will be attached to the issue with which your subscription expires. Please return expiration slip with your remittance PROMPTLY if you wish to receive the following month's issue.

THANK YOU

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Two 3-400Z Triodes?
Less than $500?

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- 2000 watts PEP input.
- 1000 watts CW and tune.
- Drive requirements: 100 watts.
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- Built-in 117/220VAC power supply.
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Total **$493** incl. tubes.

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CLUB NEWS

B.A.R.C.
By Jim Wilson, WA4RXG

At the August meeting Oliver Lovendahl, chairman of the Constitutional Revision Committee read aloud the entire proposed revised constitution so notes could be taken. Copies were made available for those who requested them. At our September meeting this will again be read a paragraph at a time and voted on in that manner.

Jack Wainright gave additional information about our last field day. He expressed the belief that the higher power of the linears proved to be justified and brought stack-ups of stations calling us. The problem was, to read one out of many. Russ Stone then gave a fine talk about CW operation and about keying.

We then had a short talk by Oliver Lovendahl, Broward's Civil Defense Director, about the county's Civil Defense networks. He showed the various established radio networks and how they serve the headquarters, shelters and public service organizations.

We were fortunate in having with us Mr. Al Hamel K4SJH, our present ARRL S.C.M. At the meeting we prepared a petition to send in to League headquarters in connection with his candidacy for Vice Director of the Southeastern division of the ARRL in the election this fall. He and Chuck Bolvin of Miami, our present Vice Director, are running on the same ticket and our nominating petition was for both. We feel that all Florida should get behind them 100 per cent.

At the hidden transmitter hunt on August 22 two new records were established when Howard and Doug Smith WA4HEN and K4OAP found the hidden 6 meter transmitter in only 18 minutes and with only 7.1 miles travel in the search. They copped both trophies and we offer our congratulations. BARC challenges other clubs to join our searches. If they win our search we will provide a cup for them to offer in a search of their own.

Because of a temporary conflict of meetings our October meeting will be moved from the Broward National Bank to the First Federal Savings and Loan Co., 1601 E. Oakland Park Blvd., Ft. Lauderdale. We cordially invite all Broward County hams to join us, on October 13.

TAMPA HAMFEST

Sunday, October 17

9:00 AM - 4 :00 PM

ROWLETT PARK & REC. AREA

. . . Located on the North bank of the Hillsboro River at 22nd Street.

PROGRAM

9:00 A. M.	Registration ($1.00), Swap Tables
NOON – 1:30	Lunch Served. . . . . Free w/Regist.
1:30 – 4:30	Drawing PRIZES. . . . . Recreation

SPONSORED BY. . .

(HARS) HOME OF WA4GJJ

Hillsborough Amateur Radio Society

GAINSVILLE AMA. SOC
By Bill Wells, K4RDP

On Sunday, Sept. 12 the Gainesville Amateur Radio Society held its Annual Family Picnic at Camp O'Leno State Park, north of Gainesville. The highlights of this event was the awarding of the MOST OUTSTANDING trophy to a deserving member of this society, who was recommended in writing by his fellow members for his outstanding work. Also this year for the first time, we're inaugurating a new award, OUTSTANDING CRAFTSMAN trophy to be awarded to a deserving member. The requirements are: to have built or modified and complete a piece of equipment using methods complimentary to the "state-of-the-art." This award is to encourage more members to build some of their equipment. And other than having the World's Largest Smoorgesbourg, (gee, can those XYL's cook) we had our usual auction. The proceeds are going towards defraying the expenses incurred at the picnic as well as those incurred during last Field Day.

Speaking of Field Day, we're still Very Happy to see that we still stand highest in state results and are really looking forward to "bringing home" that BIG trophy.

Got a letter from Andy t' other day thanking us for a few subscriptions we were able to send in and in his letter he explained his financial obligations in keeping good ole Florida Skip going. Gee Fellows, help him out willya. There's quite a financial obligation to this excellent Florida Ham News Journal and he needs our continued support in order that it may continue as a Non-Profit rather than a financial detriment to the family pocketbook.

We are most humbled by the passing on of a life-time member Don McGuire WA4EOP. Don lived a good and full life and was an inspiration to all who knew him. He WILL be missed.

Congrats to John, WA4EOT who FINALLY got on with a new TR-4. Excellent equipment and better signals. Gene W4YGT, getting ready for an excellent project for the GARS in semi-conductors. Ed, K4VNZ on with a new CW rig.

ST. PETERSBURG AMA. CLUB

SPARC correspondent is now really a roving reporter so has picked up a few items via the grapevine.

Was sorry to hear W4BIL - Fran was in the hospital a few days, but happy to report she is home and well on the road to recuperation. Good luck, Fran.

Russell, W4WPB/W4WFR's son, who is at Ft. Bragg, N.C., reports he has gained 25 lbs. Shirley, who was always trying to fatten him up now worries about putting him on a diet when he returns home, hi!

W4TXX - Gene and XYL June - K4-CNY, former SPARC members from Tenn., visited the club recently. Understand they are in process of buying home here which they will rent to their son from Calif., until they can retire sometime in future. Welcom home, folks, we'll be looking for you.

Cathy, W4BAV is having a good time during her roving on Long Island vicinity. She visited K2US at the World's Fair, where she met W2OWL, Ruth, and enjoyed a nice "eye-lash". They had met several times at YLRL conventions. She attended the Feder. of LI Radio Clubs Hamfest and met many hams she had contacted. Much to her surprise she met Smitty, WA2PWZ, from N.J., a frequent visitor to St. Pete. He wished to be remembered to all and regrets he will not get down to Fla. this year. She also met WA2SAZ-Smitty and XYL-WA2SNT who are planning to retire in St. Pete. A photo of their shack really shows what a "ham heaven" they have to operate. Hi!

73,
Cathy Seeds, W4BAV

TAMPA AMATEUR RADIO

The summer is over and we are in the new year with Club activities. The members were pleasantly surprised with the comfort of the club house. Among the improvements the club is proud to say it has air conditioning, insulated ceiling, new asphalt tile floor and very soon will have a water cooler. All of this will make the club a more enjoyable place to come and partake of the activities and make more use of the club house. We hope that the members from other clubs pay us a visit and see an active club in operatin.

Jim Bingham, W4KRC, has been appointed EC for Hillsborough County. We don't know of a more qualified person than Jim, and we hope that all the "Hams" will cooperate and lend their assistance to Jim. Give him a call, Tel. No. 832-8051, and tell him to what extent you can assist. The success of any EC can only be as good as the help he receives.

We still understand that Jack Lupien, W4URX, has not fully recovered from his illness. We hope that Jack will be back with us shortly and all of the good wishes of the club members go to Jack.

SO. FLA. VHF TRAFFIC NET
By John Deegan, WA4QLZ/4

The night of Sunday, August 29, 1965, heralded another first for the VHFTN: The net met for its regular session, only an hour earlier, but not on 50.200 mc. Instead it met at Uncle John's Pancake House in North Miami for a business and social meeting.

The list of people attending the meeting read like a Who's Who of six meters in South Florida. People came from as far as Key Largo and Hollywood to attend the meeting. Those in attendance were: WA4MKD, WA4RLG, W1HCZ/4 with his wife and mother-in-law, WN4AKU, WA4PDM, WN4ATC, WA4YSR, WA4-YGP, WB4AFM, WA4FZV, WA4MKE, WA4DFZ, WA4HNV, K4OZZ and his wife, WA4WLZ, K8 AKQ/4 and his wife, WA4YGP, WA4LHK/4, and K4YSN.

The first order of business after the excellent dinner was the awarding of the VHF Operator of the Month Certificate. This month two identical stations: WA4FZV/WA4MKE for their service rendered as the As-

(QSY Page 7)

CLUB NEWS

(Continued from Page 7)

sistant VHF PAM's for Dade County.

K4YSN continued the meeting with a discussion of how the National Traffic System relays traffic after it passes through the VHFTN.

The meeting closed after a general rag-chew session.

On August 21, 1965, a special session of the VHFTN was organized to relay the traffic that was being originated by WA4QLZ/4, who was set up in the Sunland Shopping Center. QTC for the day was 76 (consisting of 74 originations and 2 relays).

Try six meters. Join the "Last Frontier" of amateur radio that is more advanced than some of the older amateur bands.

*Post Office Box AR #702
University Residence Halls
University of South Florida
Tampa, Florida 33620

ORLANDO RAMBLINGS
Hal, W4BKC

"Betsy" at this writing has torn herself across South Florida and is now in the Gulf meandering around, destination unknown, but sure hope she gets lost.

It's a bit early for a summary, but from what I heard Orlando was well represented on the emergency nets which did their usual outstanding job.

The local two meter net had stations at the Red Cross, Civil Defense Headquarters, Orlando City Hall, the airport and Orlando Utilities to name a few. Not too much traffic but all stations were on a ready to go basis if necessary. After all, this is the reason for all the training.

The Harvey Bartons W4RP will be hosts at a dutch dinner at the Colonail Cafeteria on October 15 at 6:30 PM honoring Freddie; G3VNA and Jim G3KVH. Many of the local hams who met Fred on his last visit will be there to renew acquaintance and to meet Jim also. If you didn't get an invite just contact Ev, K4UIZ at MI 4-9896 to be sure you get a seat at the table.

If you live in the area and haven't signed up in ARPSC or RACES contact Betty, WA4JIU at 855-8668 to get the necessary forms to fill out.

VBARC
By Dennis Yantz, WA4YFY

The VBARC held their annual picnic Sunday, Aug. 22nd. It all started at 1:00 P.M. when we began cooking hamburgers and frankfurters for the 45 people who attended. Each family brought salad or a covered dish. There was certainly plenty to eat. With the eating out of the way numbers were drawn for prizes, which varied all the way from a box cake. to QSL holders and capacitators.

Since most good amateurs can't stay away from the mike or key too long, the clubs SR-160 was set up with a 20 meter dipole. Bill Turner, WA4JXC succeeded in making two contacts, one to California, not too bad for a Sunday. The picnic concluded at about 4 P.M. We all had a great time, and I think just about everyone was introduced to the people they did not know.

7:00 P.M. the same night some of us met at 28.8, for our usual CW rag-chew. We all agreed that we had too much to eat, but enjoyed evey moment of it.

Due to my vacation in New York, never had a chance to enter our AREC nets. I had the chance at our last practice session, and although I had writers cramp and ran out of paper, I. J. our EC proved that there is more to copying message traffic than what meets the eye.

FORT MEYERS CLUB
By W4SMK (Ken)

While writing this we are also monitoring ARPSC nets Charlie and Delta as hurricane Betsy bears down on the Keys and Miami area. The nets are in condition 3 although traffic is rather light since the storm has not hit the mainland yet, but it has clobbered the Bahamas. The track at present is similar to the one made by Donna back in 60, so we are well boarded up here since we remember that one very well.

Betsy has followed a very erratic track doubling back South and wandering around quite a bit. This seems to be the popular mode for storms ever since that crazy one tore up Cuba some time back. It's enough to confound the best weather prognosticators, not to mention the amateur WX men on the ham bands. But whatever happens someone will say I told you so after it is all over.

The local CD group and Red Cross are in action, but so far are not making much noise. There has been considerable change in personnel in both these organizations over the past year and it will be interesting to see how they acquit themselves if a full emergency does develop.

W4SMK worked 5 hours to get his emergency generator in operating condition after storing it for over a year. One thing to remember if you store yours is to pour oil into the cylinder (s) and be sure the gas tank, gas lines and carburetor are drained dry of gas, otherwise that famous gunk will collect and you will have a job on your hands. I would never have started mine if it weren't electric starting and I could grind away on it with the car battery.

Local calls heard so far on the emergency nets have been W4DKJ, W4TUB, WA4HDH, W4HSG (CD), K4-GUE and several others. So far the net discipline has sounded rather good, with only a few testers and eager beaver checkers in. We have learned a few lessons these last years it seems.

PANAMA CITY AMATEUR RADIO

WA4RNP put up two 7-element beams, mounted vertically, on the 80' CD station tower. Otis sez they are working OK. He got Q5 copy in Ft. Walton with beam to gnd. plane. Otis also talked our CD director into a Clegg 22er for the CD station, which will replace the troublesome Pawnee.

WA4NVG, Dave, is leaving for the West Coast.

Panama City was well represented at the recent W. Fla. A-3 Net. Attending froomhere were: K4VFY, WA4's IMC, NRP, JIM, ZLS, NVG, and W5MPK/4.

We are all glad to hear that the Ackermans, WA4FIJ and WA4FJF are coming back in October.

PCARC meets every 1st and 3rd Monday at CD Hq. near the Court House (Old Wilson Funeral Home) at 7:30 PM. 2 meter net is 7:30 every Thur. nite on 146.97, WA4IMC NCS.

73 and DX,
Charlie, WA4IMC
Secy, PCARC

(QSY Page 14)

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Operation Of Modern QSL Bureau

By Bert Osborne, W4MF

(PART I)

There are a great many new amateurs on the bands today and things have changed so much during the last few years, we thought a description of the operation of a Modern QSL Bureau might be of interest to Florida Skip readers.

The 4th district call area QSL Bureau is now located in Chattanooga, Tennessee. It is operated by the Frye Amateur Radio Club. Operating a modern QSL Bureau is no job for an individual, it is a club project. The cards roll in by the thousands and to keep the mailings up-to-date is no small job.

First of all the cards must be sorted into the four main catagories, the W's, K's, WA's, & WN's. This is done on a 4 compartment sorting board. Next they go to a big sorting rack for the first suffix letter sorting. These cards are then sorted on another rack for the 2nd suffix letter, and these in turn for the 3d suffix letter. So the cards that come into Box 13 from the Post Office go through the sorting process four times.

The cards are now ready to be filed in the steel drawer files alphabetically. The self-addressed stamped envelopes sent in by amateurs of the 4th district are all sizes and descriptions and the number of stamps on them vary from 5¢ to 50¢. What we should like to have the amateurs send in is 2 or 3 #50 manilla envelopes with one 5¢ stamp on them, properly addressed and with the call letters in the upper left hand corner. Don't fail to put your call letters after your name and in the upper left hand corner of the envelope of an S.A.S.E. without your call sign is of absolutely no use to us. It isn't necessary to have 20 envelopes in the file, two or three is plenty. When the last envelope for an amateur leaves the file, we'll stamp on it "last envelope in file" and the amatuer can send us two or three more #50 envelopes. The envelopes must be filed alphabetically in the steel file drawer the same as the QSL cards. We find that some amateurs have over 100 stamped envelopes on file, many have 20, 30, 40, or 50 envelopes at the Bureau. This presents a real filing problems for if every amateur had this many it would take tremendous filing facilities to house them all. We think that ARRL should try to standardize the envelopes and the number os stamps put on the envelopes. If you ever had to handle envelopes of all sizes and descriptions and tried to file them, you would know what we're talking about.

The next step is the checking of the cards for mailing against the envelopes on hand. Here is the pay-off. All the sorting that has gone on for many nights will now bear fruit, if the amateur has a self-addressed stamped envelope in the file. Those cards that there are envelopes for are mailed, but if there is no envelope the card or cards go back in the file. Some amateurs have hundreds of cards in the file and no envelope. Of course in order to mail these cards we have to look up the addresses and use bureau stamps and envelopes, and hop that the amatuer will reimburse us. In almost every case where an amateur had a large number of cards and no envelopes, we have mailed them out in envelopes furnished by the bureau and with 5¢ stamps on the envelopes and the amateur has reimbursed us. We would prefer to mail the batch of cards with a 5¢ stamp, figuring that the amateur will be gald to pay the postage due at his end.

(PART II NEXT MONTH)

New Calls In Greenland

At the request of the Danish government, call signs of U.S. amateurs in Greenland are being changed and the prefix KG1 will no longer be used. Individual U.S. amateurs will have calls in the block OX4AA through OX5ZZ and may not handle third party traffic.

Two special MARS stations will have the amateur band calls XP1AA and Xp1AB and are the only ones permitted to handle third party communications.

This big smile belongs to E. 'Sparks' Slimak W4KZL ex-W3ZXB, ex-EC of Alachua County in Gainesville as he inspected his tower guy wires after Hurricane Betsy hit South Florida and New Orleans, La.

THE EASY WAY

Now they have done it -- and after all that studying... A tiny device that plugs into any army radio and makes morse code as easy to read as a n electrical signboard has been developed by Regency Electronics for the Army.

No bigger than a pack of cigarettes, this code translator transforms dots and dashes into English letters. It contains 350 diodes and 75 transistors. A display panel that frames letters with 17 tiny incandescent lamps, and a power pack of four nickel penlight batteries.

The translator plugs into an army radio through a tiny Jack, and all the operator has to do is to copy down the sequence of letters as they appear on a viewing screen.

Advantages of this device are that soldiers do not have to know code to use it and the low CW frequencies on which morse is carried are better able to penetrate jungle and cover longer distances than voice radios. (Popular Electronics and Orlando Listening Post.)

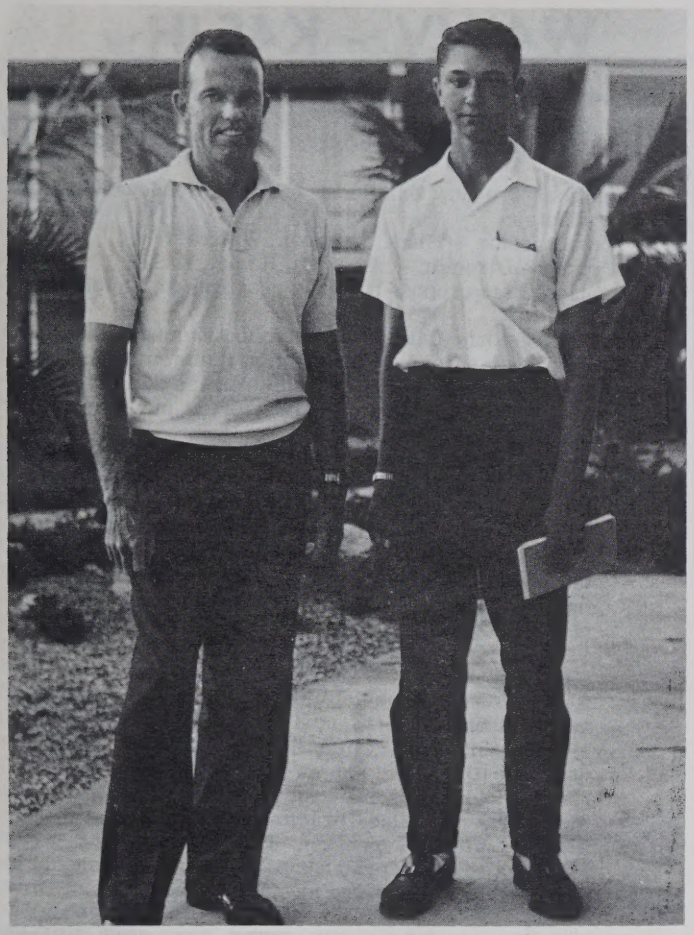
New Geoalert Codes

A new schedule of alert broadcasts on WWV and WWVH has begun by the National Bureau of Standards. These warn listeners of impending magnetic storms, cosmic ray events, and solar activity. The following messages are transmitted in Morse code (7 WPM) on WWV during the first half of the 19th minute and on WWVH during the first half of the 49th minute past each hour:

GEO MMMMM
(Magnetic storm)
GEO NNNNN
(Magnetic Quiet)
GEO CCCCC
(Cosmic ray event)
GEO SSSSS
(Solar activity)
GEO QQQQQ
(Solar quiet)
GEO WWWWW
(Stratospheric warning)
GEO EEEEE
(No geoalert issued)

WWV broadcasts on frequencies of 2.5, 5, 10, 15, 20, and 25 Mc. WWVH is heard 5, 10, and 15 Mc.

(From Sky & Telescope and Sandspread WØWSV)



Astronaut Gordon Cooper on left took time out at Cape Kennedy to pose with Jim Dever son of W8UON, a SKIP member. Needless to say Jim was asking some real DX questions. How about getting an amateur ticket Gordon OM?
(Photo by W8UON)

Growing Up

That heading is no news, of course, but transistors are growing into cofigurations more adaptable to radio amateur construction projects closely related to older techniques.

Take the RCA new line of "overlay" transistors. According to the 7 Dec. 64 issue of ELECTRONIC NEWS, these transistors will compete with tubes, both pricewise and performancewise, for commercial airline AM transceivers. By the end of 1965, they'll be used in commercial FM transceivers putting out 35 watts at 17 MHz. Not much lagging this will be commercial SSB transceivers and radar transponders.

Another interesting transistor it the Clevite 3TE240. It delivers 8 watts out at 400 MHz and 10 watts out at 250 MHz.

Several companies are offering transistors with high enough operating voltages to permit operation direct off a 117-vold line, still allowing a comfortable margin to take care of "spikes" that plague most lines. Think what you could do with these! A complete solid-state transmitter with no transformer or choke. You'd use a solid-state rectifier, of course, followed by a transistor "C amplifier" to achieve excellent filtering with no choke. As no "amateur of radio" (as contrasted with "amateurs of talk over radio") would consider a transmitter without radiotelegraphy provisions, you'd follow the filter with another transistor as a gate circuit for clickless keying. If it were a very simple transmitter, the next element could be an oscillator stage, either crystal or VFO, feeding the antenna through a suitable matching network. You could, of course, get real fancy and toss in a few extra stages as IPA and PA or even SA and MOD. That direct-off-the-line power supply could furnish many

There are small problems, such as how to avoid the safety hazards that are attendant with all electrical items that work direct off the power line and yet require operator contact.

(Collector and Emitter)

Soldering Aluminum

Contrary to widespread opinion, aluminum may be soldered with an ordinary soldering iron and radio solder. The use of special fluxes or ultrasonic irons is not necessary for the occasional joint.

The action of the air forms a thin and invisible layer of aluminum oxide on the surface of the metal, and this must be removed before it will "tin". The area to be tinned is covered with a layer of ordinary lubricating oil (most types seem suitable, though probably the more viscous and less volatile are more so). Through the oil, the surface of the aluminum is scraped away with a knife, removing the thin slivers of the metal and with it the oxide. The oil prevets the air reaching the exposed metal, and if a hot, well-tinned soldering iron is pressed against the cleared area, by the time the oil has boiled away the metal will be tinned. Once tinned, it is, of course, no trouble to place another piece of tinned material against the aluminum and the application of heat will result in a sound, strong joint -- just as good as that obtained with tinplate.

Particularly applications are the soldering of feedthrough capacitors directly to aluminum chassis, and the bonding of screens.

G3PIT/RSGB Bulletin and Collector/Emittor.

FLORIDA SKIP

Traffic Men

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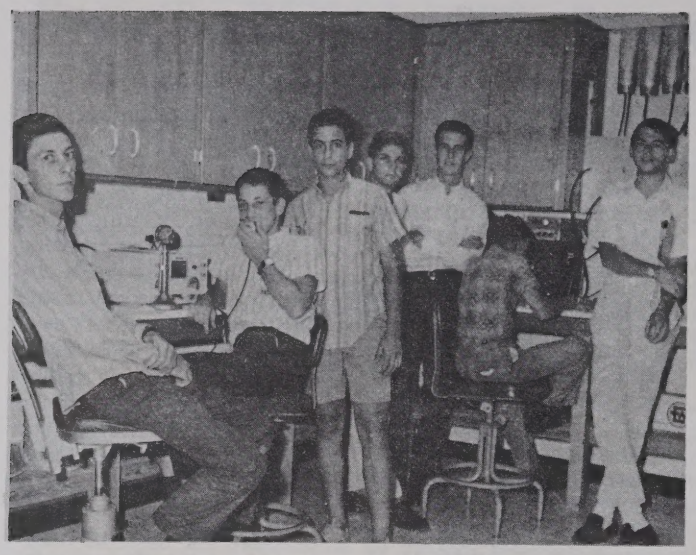


Here are some of the North Miami ARC members operating WA4JKF during Hurricane Betsy. They have a complete bomb-proof shack in the basement of the No. Miami new City Hall. KJF did a real nice job on traffic in and out of the Miami area.

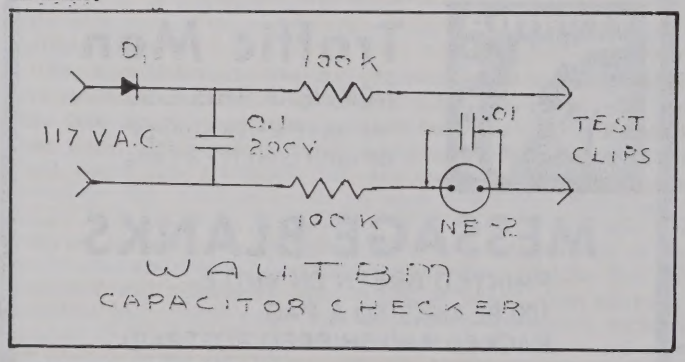
(Photo by SKIP)

JUNK BOX

Here is a little bit of nothing for your junk box feature in the Skip.

This is a very simple and inexpensive capacitor checker that makes it possible to use junk TV parts to advantage. Whenever I have in the past wanted to build something, I have found that unless there is a fast way to check caps, that I never used them, and had to buy new ones instead. That's probably still the best way, but expensive. This capacitor checker has enabled me to use junk caps with confidence, and save a great deal of money.

D1 can be practically any Diode, but I used a 500 mil top hat in mine.



This circuit will flash once only when connected across a good capacitor from .001 up. If there is any leakage in the cap, the ne2 will flash at regular intervals, or maintain a steady glow, depending on the amount of leakage. If the Ne2 hasn't flashed but once in fifteen seconds, I consider it good.

If you wish to check caps down to .0001, you can use a voltage doubler or tripler, instead of the half wave power supply used here, but that puts a lot of voltage on the test clips, which at 110 volts DC with the look current limiting resistors is imperceptible to me, and completely safe.

I hope you can us this to advantage.

73,
Jim Edris
WA4TBM - MIAMI

(EDITOR'S NOTE: Do you have a Junk Box for this column?)

W4LVV - K4SJH

We are nearing the time for election of Director and Vice-Director for the Southeastern Division. Nominations were requested in the August issue of QST and ballots will go out in October.

Nominations are now on file at A.R.R.L. Headquarters for these candidates:

For Director - Chas. J. Bolvin, W4LVV
For Vice Director - Albert L. Hamel, K4SJH

These candidates propose a strong program on the following points:

1. A Director's letter to all Division members, not less than semi-annually, reporting on items on which members have expressed or should express their opinions.
2. All correspondence to the Director, at minimum, to be acknowledged in writing.
3. Return the appointment of Assistant Director to a position of stature, and limit the number of such appointments reasonably.
4. Seek revision of the election procedure to provide a single ballot for Director and Vice-Director to assure that these officials can work as an effective team, and that any Division program will have at least two years of full continuity.
5. Provide for replacement of the Vice-Director if this office should become vacant.
6. Revise By-Law 8, not later than the next Board Meeting, to eliminate the present discrepancy between "Full Membership" and "eligibility to hold office."
7. The Vice-Director to be an active, working official and the Director shall provide, from his budget if necessary, that the Vice-Director attend the first Board Meeting after his election. This is to assure that the Director fully understands Board operation should it ever be necessary that he assume the duties of Director.
8. All interests (phone, CW, RTTY, TFC, VHF, DXers, etc.) and all classes of licensees have equal right to equal representation. All Sections, including the too often ignored West Indies and Canal Zone Sections, expect and should have equal voice. Division business is to be conducted in a business-like manner to assure these rights at all times.

We hope the above program meets with your approval and that you will actively support us both before and during the election.

73
C. J. "Chuck" Bolvin, W4LVV
A. L. "Ham" Hamel, K4SJH

F.C.C. Report

The Federal Communications Commission has ended its 30th year with nearly 1-1/2 million radio stations (including short wave) under its jurisdiction.

That's nearly 30 times the number the Commission started with when it went into operation on June 19, 1934.

The Commission's 1963-64 annual report says there also are nearly 29 million radio operator authorizations, both commercial and amateur, or about 45 times as many as in 1934.

In three decades, the number of applications received by the Commission has multiplied 100 times, from less than 10,000 in 1934, to almost one million in 1964.

During the 30-year period, the FCC has had 37 different commissioners from 27 states. One of the commissioners served two separate terms.

The Commission was the first regulatory body to have a woman member, Frieda B. Hennock. She served from July, 1948, to June, 1955.

* * *

The trouble with a fellow who talks too fast is that he is liable to say something he hasn't even thought of yet.

(STATIC - W3ZXV Ed.)

SCM's CORNER E/F

Why All This Reporting

Let's start with EC reports because they deal with the all-important subject of our emergency organization. The report itself is quite simple consisting of a small card with space provided to fill in the required information. This should be available to any EC if he maintains his records as he should. Perhaps the EC is located in a county where little if any change takes place. Send in a report anyway and please don't just put "no change" on it. Our extremely busy SEC must then dig back into the files to see what the last report indicated. If you DON'T send in a report - for ANY reason - you are leaving your SEC out on a limb. You are effectively putting a blindfold on him and then expect him to do an intelligent job of directing the AREC efforts of the section as a whole. Did you know that the SEC must report to the NEC monthly and that his reports are based on the information contained in yours? It takes him a darned sight longer to prepare his report than it takes you on yours. It is amazing to see a good, hard-working EC fail to report what he has accomplished. Locally he can be extremely effective but he sure puts a dimmer on the section and national effort as a whole. ARRL has now placed direct responsibility on EC AND SEC reporting right in the lap of the SCM. So, all of you good ECs please take heed and get those reports in. They are a MUST. I am appealing to your sense of fairness and responsibility.

OBS have the least to worry about as far as reporting goes. Periodically they will be asked to submit a report which will call for a review of their skeds so as to keep information current. That is it. This does not mean that sending in any OBS monthly info is taboo or unwanted. It is most welcome and thank you.

Next month I will touch on OO and OES reporting followed by a section covering ORS-OPS/TRAFFIC section and ending the series with final conclusions and last minute general information.

Letter From FCC

Dear Sir:

This is in reply to the question in your recent letter regarding amateur station identification and log keeping in network operation.

1. Station identification may be kept to a minimum by using operating procedures which enable the stations to transmit the required identification at the intervals indicated in Sections 97.87 (a) (1) (ii) and (iii) of the rules.

2. Station identification would not normally be required in making such brief transmissions.

3. Stations are normally required to identify themselves on leaving the net.

4. The net control station must log the time of commencing the net operation, the time he signs the net off, and the call signs of the stations reporting into the net.

5 & 6 While it is not necessary for an individual station licensee to record the call sign and time of entry and departure of each station in the net, such licenses is required to enter in his log the time his station enters and leaves the net and also the call sign of each station he called and of each station he worked.

Very truly yours,
Ben F. Waple
Secretary

Here is Mack Britton, W4DVR, EC Marion County at the Ocala-Marion County CD HQ in Ocala standing guard on Florida ARPSC net Charlie - 3940kc. during hurricane Betsy. Mack and his crew stood by for 3 days ready and willing to handle any traffic. W4DVR will soon be CD Communications Coordinator for Central Florida which covers 18 counties.

RTTY Official Bulletins

When the rebuilding job at W1AW is completed, the HQ station will begin broadcasting Official Bulletins on radio-teletype as well as in voice and c.w. McCoy said the decision to do this had been reached before the reconstruction job was started. But Hoover observed that HQ has been getting a heavy volume of mail about RTTY, largely as a result of a comment in the "Traffic Topix" column in QST by George Hart, W1NJM. He called most teletypers "gadgeteers" not interested in general operating. "The roof fell in, after that one," Hoover commented, with the result that the January QST had a cover picture featuring teletype, as well as the first of a long series of articles on the subject. February QST carried both a technical article and an RTTY operating article, the latter drawn partly from the manuscript of the forthcoming League Operating Manual.

BE A GOOD LOSER, BUT DON'T MAKE IT A HABIT. CONFESSION OF OUR FAULTS IS THE NEXT BEST THING TO INNOCENCE.

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NE 5-0378

Ed Pike, W1AFP 4 in Key West on duty with the U.S. Navy was one of our traffic outlets during Hurricane Betsy. Ed set up his station at the Key West Red Cross chapter and operated on Net Charlie - 3940kc SSB. Ed reports he is leaving KW for duty elsewhere this month. Good luck OM and thanks for your help. (Photo by W1AFP 4)

VHF EASTERN FLORIDA

Bertha Farr Eggert, WA4BMC

From the VHF Traffic net in Miami, on 6 meters we have the following from Glynn, WA-4LHK, Glynn, and K4HYN, Tandy, and I quote:

The South Florida VHFTN held its first meeting at the Uncle Johns Pancake House on Biscayne Blvd. The meeting began at 0000Z Sunday August 29. I was happy to see in attendance more than 25 people, all smiling and eager to see what we had to offer and say. We gave out all kind of ARRL goodies as well as advice and a speech on traffic handling, as well as what the QRM that is experienced from time to time on 50.210 is all about. We told them of the traffic nets on VHF and the obstacles that they surmount. .....The meeting was adjourned to V. O.X. and we all had nice eyeball QSO's.

Other news is that VHFTN is resuming a full schedule again with some new NCS's. We will certainly miss the presence of John WA4QLZ as a NCS and friend more important.

At the meeting Al and Zelma Shaw, WA4MKC/WA4FZV were presented with the VHF Operator of the Month Award. It was presented for their great work as VHF Assistant PAM's.

We have a new operator, Verne WA4WEW who is not new to amateir radio but is one of those transferies and he has a WA4 call now. He is a great asset to the net.

VHFTN will not meet on Monday nights as all the traffic will go through the DEN for practice purposes.

Hurricane Betsy made this report late. This writer has been on 3.940 constantly, and monitoring 6 meters for county and civil defense, and today was the first chance to write this; also we have not seen a mailman since last Saturday and today is Thursday. We are still on 3.940 for West Florida, with Betsy slamming into New Orleans, La.

I hope Andy will be able to get this into OCTOBER Skip, excusing the lateness to Betsy. We had to take down our two meter beam Tuesday night, and we had no place to put the emergency beam up, due to the new shack being built. As soon as we are in the new shack, the two meter emergency beam will be permanently mounted.

The mailman appeared today, Thursday, and we will get this out right away.

Top Twenty Traffic Takers

Each month we are happy to list the top 20 Florida traffic takers. We hope to see your call here next month.

For August 1965:

1.	WA4SCK	BPL	1036	11.	WA4IJH	159
2.	WA4BMC	BPL	771	12.	W4BVE	103
3.	K4YSN	BPL	570	13.	W4SDR	93
4.	WA4LHK/4		460	14.	K4NMZ	90
5.	K4VFY		323	15.	WA4FGH	82
6.	K4BY		273	16.	K4COO	81
7.	K4BSS		272	17.	WA4IWO	80
8.	W4KIS		190	18.	WA4BNE	79
9.	WA4NEV/4		178	19.	K4VWE	72
10.	WA4QLZ	BPL	173	20.	WA4YSR	63

MT. MITCHELL UHF REPORT

By Jess - W4MVB

Jess, W4MVB, sends in a very interesting report for their trip to Mount Mitchell, North Carolina. I will quote directly from his report.

"We had some what of a disappointing trip to the top of Mount Mitchell in many ways. There was almost no activity on 432 that we could hear. The contacts on 144 were also few and far between.

On the plus side of the ledger we were able to work WA4JKT, W4GUJ, and K4PZW in Jacksonville. We also worked W4BCL in St. Simons Island, Ga. We heared many stations talking about our frequency but they apparently could not hear us. By the same token we are getting reports that many heard us that we could not hear. For the most part the stations we heard were inside of 200 miles. The Jacksonville area contacts were the most outstanding to this. Most of the stations inside this 200 mile circle could not hear us. We also know that we were heard in Oakland by Jack, K4NTD, and in Lake Placid by Bev, W4CKB.

Our strange conditions were explained to us by Tom, W4HJQ, as being the result of reverse tropo. It seems that at about 5000 feet and above tropo openings quite frequently work against you instead of for you. Tropo conditions did exist because we could hear the Kentucky stations working VE3 land on two meters but we could not hear the VE3 boys and the Kentucky stations could not hear us.

Our lone success on 432 was to give Tom, W4HJQ, in Glendale, Kentucky a new state on this band. We worked him on both bands but since Tom is on the top of the W4 standings on two and has worked all states in all call areas except W6 and W7 the two meter contact didn't mean too much to him. He was glad to get N.C. on 432 though and we were glad to give it to him. This was a path of about 250 miles and was our best DX to the north. East produced nothing at all except WA4SHA in High Point, N.C. The west was represented by W4ZOD/K4FQA in Shelbyville, Tenn. about 200 miles away.

As I said before it was not really a successful trip but we enjoyed it and we learned from it and we hope to return next summer.

I am putting up a 16 element colinear on 144 and 32 elements on 432. I hope to double the size of them after the hurricane season."

BEYOND CALL

(Continued from Page 1)

Anne and Julia, were in route to Miami. Being their first trip, and the bus being late, I thought that my sister in Miami should be informed.

WB2AVY in Marcy, NY answered my call and asked me to stand by. Calling Miami, he got a reply from a station 45 miles to the north of Miami, but couldn't establish contact. He then contacted me and asked for my sister's name and phone number, and called the message to Miami LONG DISTANCE. The operator of WB2AVY is Morris W. Jones of Jones Rd., Marcy, N.Y.

John C. Hamilton
WA4UHT
Naples, Fla.

First Alien Amateur Authorization Under Public Law 88-313

The Commission today (May 4) issued the first permit for operation of an alien's amateur radio station in the United States, as authorized by Public Law 88-313. It went to Mrs. Grace Ruiz Castro Glorioso, licensee of Costa Rican amateur radio station T12MAG, who is now in the United States.

For many years, the Commission has been authorized, under the terms of a special treaty with Canada, to issue such permits to Canadian radio amateurs. Public Law 88-313, approved May 28, 1964, enables the Commission to issue such a permit to any qualifying alien radio amateur if a reciprocal agreement has been concluded with the alien's country providing for operation in that country by United States amateurs. Thus, under the provisions of the new law, the United States may now return the courtesy of a number of countries which have, in the past, permitted United States amateurs to operate within their borders.

Costa Rica was the first country to effect a reciprocal agreement with the United States under the 1964 law. Similar agreements have been concluded with three other Latin American countries, and many more are being negotiated with nations throughout the world.

A special application (FCC Form 610-A) is required for alien amateurs seeking authorizations from the Commission to operate their stations while in the United States.

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CLUB NEWS

(Continued from Page 7)

SUNCOAST VHF CLUB
By Leslie Johnson, WA4EEZ

At this writing, Hurricane Betsy is heading for Miami, and perhaps will head up toward the West Coast. If you have not already signed up with AREC -- now is a good time. Just contact Mac, W4FPC, and he will send you the necessary forms. Also, Cappy, K4MFF still needs operators for the teletype at CD Hdqtrs. Remember -- "Ask now what amateur radio can do for you; rather, ask what you can do for amateur radio."

At the hidden transmitter hunt held Sept. 5, Jim, WA4GWW was the winner, and Jim, K4FQP was last. Brian, K4NAN was the hidden transmitter, and he reports that he saw mosquitos as big as dragonflies at the site. Well, almost as big, anyway!

Speaking of transmitter hunts, at last we have initiated our long-delayed Point System. Points are: first place - ten points, second-place - five points, third place - 3 points, and each paid participant - 1 point. At the end of one year, starting from Sept. 5, 1965 there will be prizes awarded to the winners. The credit for all the planning of this program goes to Don, WA4FBV.

The club has a copy of "Fifty Years of ARRL" -- a reprint of historical articles from the 1964 issues of QST. This book is available for loan to any member of the club. This is a very interesting book; you will enjoy it. Just contact Leslie, WA4EEZ.

Announcement: The club is honored to have Grid, W4GJO as speaker at the October 8 meeting. Grid will speak on his activity on 432 megacycles, and I'm sure you will greatly benefit from his information. Y'all come and see him!

FMTN
By W4SDR

Big story at deadline is hurricane Betsy. Much will be written about her so here it is sufficient to say that FMTN members were serving on the emergency nets.

We sorely miss Charlie W4AKB and have no regular Miami outlet. We also miss Bertha WA4BMC, a victim of carpenter and skill saw interference during remodeling of the shack there. On the black side of the ledger we are pleased that W4DFU is back with us as is Chet WA4LRW from Ocala.

The "Little Red Wagon" went rolling around on vacation. We welcome Jim W4KRC who faithfully calls in from Tampa and Ken K4MNB who has received his doctorate from FSU and is now living in Boca Raton. Jack W4UR is still in the Hillsborough County Hospital but at last report was slowly improving and we are all so very pleased.

There were 26 sessions of FMTN in August: 374 stations reported and handled 338 pieces of traffic for an average count of 14.4 stations and 13 messages per session.

Again we emphasize: All stations are invited to FMTN: AM, SSB and CW: at 1700Z (12 noon EST) Monday through Saturday on 3945 kc. May the bird of paradise hold up your antennas Hi.

HARS NEWS
By Ron Griffith WA4MKX

We have finally arrived at the big date in October, seventeen days from the first, or the third Sunday before the 31st. No matter how you look at it, the result is the same, October is the big month and Sunday the 17th is the big day. HARS will have another big Hamfest and it will be held at Rowlett Park in Tampa. The Park is at the east end of Waters Ave. Waters Ave. borders on the north side of the Tampa Greyhound track. When you find Waters Ave., turn east.

Our grand prize will be a beautiful portable television set. There will also be a host of other wonderful prizes to be given away.

There will be a large covered area for the swap tables. There will also be a delicious meal served, and plenty of room to picnic and do what you want. So mark this big date, October 17, on your calendar and come and enjoy yourself.

FLORIDA ARPSC NETS

FLORIDA PHONE TRAFFIC NET --- Daily, except Sunday, 3945 kc, 1200GMT.

GATOR NET (C.W.) --- Daily, 3651 kc, 1330GMT.

FLORIDA MIDDAY TRAFFIC NET --- Daily, except Sunday, 3945 kc, 1700GMT.

TROPICAL PHONE TRAFFIC NET --- Daily, 3945 kc, 2200 GMT.

QFN ALL FLORIDA CW NET --- Daily, 3651 kc, 2330 and 0300GMT.

FLORIDA "FAST" SSB NET --- Daily, except Saturday, 3940 kc, 2300GMT.

WEST FLORIDA PHONE NET --- Daily, 3826 kc, 2200GMT.

Letters

Dear Andy:

You will probably already have received dozens of replies to your query about a translation of the letter in German printed on page 12 of the August 1965 "Skip", my copy of which I received yesterday. But, in any event, I send my translation too, as follows:

Dear Mrs. Anne Pitcher,

In our Amateur Radio Club Publication "DL-QTC" I have seen about your "Florida Skip XYL Award." I find that very nice, and want if for my XYL. How can I have it?

I was born June 3, 1927 and I was married December 16, 1952. My wife is named Elisabeth Volkmer. I received my Amateur Radio License November 21, 1955. We also have one daughter named Eveline. She is 11 years old.

Please, dear Mrs. Pitcher, tell me whether I can still obtain this Certificate.

I have enclosed 1 U.S. dollar. Many thanks in advance.

With friendly 73,
Yours,
Helmut DJ3AG"

We enjoy the "Skip", as always, and thus keeping up to some extent with hamming in Florida. We hope to be on the air by September, and able to talk to y'all direct. I even hope to be back in traffic handling. Trust we shall hook up before long.

Allan joins in sending
73,
Margaret Poppell, K4LCD
1 Sareva Place
Asheville, No. Car. - 28804

(Editors note: Thanks Margaret and thanks to K4EOD, K4QFM, K4YOQ, K7VQI, WA4QLZ, W4UF, WA4JTK and many others. Gosh where did all you people learn German so well. All translations were exactly the same.....AC)

IT'S DISGUSTING

Your signals are, "loud and clear, fine, etc, etc." Ever listen to such comments about a signal that you have heard that was hardly passable. One that you tuned across three times before you decided where it was or what it was?

It seems that somewhere along the line we have picked up a group of individuals who apparently think that as long as a signal is loud and at least understandable it is a FB SSB signal. Before the days of "appliance operation" we did not seem to have this trouble. The way things are now going we have a lot of hams no more qualified than the "CB Boys" they criticize.

Sure, I am an old grouch but I still believe a lot of you spend a few bucks for a SSB manual and find out what this SSB is all about. Whether you like it or not one of these days there is going to be an accounting and you better get prepared for it before you end up with a rig that all you can do with it is continue to make the payments!

To really know a man, observe his behavior with a woman, a flat tire, and a child.

Dear Andy,

As president of the Suncoast VHF Club, I wish to thank Florida Skip the publicity on our annual hamfest.

I am happy to say that the hamfest was a great success in all respects. The attendance was above the number anticipated and a good time was had by all. This is all one can possibly hope for.

Keep "Skip" coming month after month. You are doing a fine job and your efforts to make Florida Skip number one Amateur publication in Florida is greatly appreciated.

Good luck and again, thank you.

73,
Brian L. Felps, president
K4NAN

SOUTHEASTERN DIVISION CONVENTION
TROPICAL HAMBOREE
Miami, Fla. January 22-23 1966

HAMBAR

NOTE: Florida Skip does not assume any responsibility for condition, price, etc. of any items listed in this column.

This column is FREE to any licensed Radio Amateur who is a subscriber to Florida Skip, limit 3 per year. Additionals $1.00 each. Non-subscribers and non-amateurs $1.00 each up to 10 lines. All listings are cancelled each month. If your listing is not moved, it will be necessary to relist the following month.

FOR SALE: S2OR receiver good condition BC ships all bands $40.00. Tubes 100th, 250th and 450th. Write Ed Vernier W4HTH, 6935-9th Ave. No., St. Petersburg, Fla.

FOR SALE: Drake 2-B just back from factory, Spkr and xtal calib. $200.00 D. McDonald WA4KFE, 406 Tequesta Dr., Jupitor, Fla.

FOR SALE: TA-33 Jr beam with prop pitch, mount, hood, selsin xfmr, compass indicator, transformer for prop pitch, push button, full length of 1 1/2 galv. pike, like new with ten foot ext of one inch, 3 ten foot sections of aluminum trianglar mast and one two meter beam, one element broken. All above for only $60.00. Rush Brackett WA4GRM, 2727 Sea Spray St. Gulf Gate, Sarasota, Fla. 33581

FOR SALE: Globe King 500B in perfect like new condx, used vy little, $375.00; Central Electronics 10B SSB exciter and 458 VFO in same condition, $100.00 for both. Harold Gilmore, W4WRT, 718 Suwanne Ave., Live Oak, Florida.

FOR SALE: Gonset G-76 multi-band transceiver SN 3338 with matching AC and DC power supplies. Alyne Lee Watson WA4AQF, 27 NE 94th St. Miami, Florida 33138.

FOR SALE: APX-6 in excel state of conversion, only Xmit tune-up not finished. Built in 115VAC supp., 10 W modulator, new face plates, paint, ets., inc. original guts and all diagrams. $25.00. Don W4ACT, 1870 Fourth St., South, Naples, Fla.

FOR SALE: No waiver required one model 19 teletype with end of line counter, clean, operating, cover refinished black wrinkle, no dents model 14 TD included, not checked out, clean price $200.00. Table available. Unused Copy holders $2.50 ea, KY-65/ARA-2s Keyers $3.95 ea. 2AP1s 4.50, 3BP1s 4.00 unused all FOB Tampa. Ralph F. Coady W4BNI, 2903 Bay View Ave., Tampa, Fla. 33611.

WANTED: TRANSPORTATION FOR FOR TWO LARGE ELECTRIC TYPEWRITERS TO WASHINGTON, D.C. WILL PAY GAS MILEAGE...CONTACT ANDY CLARK W4IYT, 41 LENAPE DRIVE, MIAMI SPRINGS, FLA. 888-3874/Area 305.

FOR SALE: Lafayette 6 meter VFO HE 61A, new in excel condx. Richard B. Tedder WA4TEO, 409 W. Lake Summit Dr., Winter Haven, Fla. 33880, CY 3-7808.

FOR SALE: Ham-M rotor witm 10(ft cable $100.00. Manny Geller WA-4YTW 714 Lake View Dr., Miami Beach, Fla. 33140.

FOR SALE: EZ Way 40 ft galvanized crank up, crank over tower with wall bracket, $125.00; Telrex TM-30B tribander, 6 element with balun $170.00; mobile mike $2.50; D104 mike $2.50; pair quad arms and boom $10.00. George Booras W4GXY, 1501 NE 147 St., Miami, Fla. 33161.

FOR SALE: Heath AT-1 and modulator $25.00: beside 80-10 meter bands, this rig worked 2670 kc wid change of 1 fixed cap. and shud wrk 160 wid larger capacitor. Rij Arnold W4EHW, 221 S.W. 22nd Ave., Miami, Florida, 374-3547.

FOR SALE: 55 A. Delcotron alternator, regulator, control panel, all wires and brackets to operate 12 volts in any VW prior 1963. Ed Wheeler, K4ADD, 2260 N.W. No. River Dr., Miami, Fla., 633-8374.

FOR SALE: TM 11-2223 manual for Teletype 14 TR $5 plus 2 lbs postage; Magazines: Electronics, 73, Control Engineering all complets, long runs of Tele-Tech, IRE Proceedings, CQ, GR Experimenter, H.P. Journal, Measurements, Boonton, U.S. Naval Inst. Proc; Teletype 14, 14TD, TR parts, gears, motors. WANTED: Kleinschmidt machines, gears, tuning forks; RTTY parts, equip; lab test gear, What have you? Fred SChmidt W4NYF, 405 N.W. 30 Terr., Ft. Lauderdale, Fla. 33311, LU 3-1340.

FOR SALE: Heath DX-20 CW transmitter, like new $30.00; Heath RF signal generator, like new $20.00. Ed. Lange W4RVP, 4530 SW 25 Terrace, Ft. Lauderdale, Fla., Fone 989-3184 before 10 AM or after 8:30 PM.

FOR SALE: New Tronics Cliff-Dweller antenna 80-40 M less than year old, $75.00, will not ship; car pack for Mobile KWM2 $25.00. Fred J. Wittenberg WA4NJK, P.O. Box 366, Ormond Bch., Fla., 677-4486.

ATTN ARMY MARS MEMBERS: For Sale; 750 volt power supply used to power ARC-5 transmitter, price with cabinets $30.00; three xmtrs, BC457, BC458 and BC 459 free. Roger W. Arnold W4EHW, 221 S.W. 22nd Ave., Miami. Fone 374-3547.

WANTED: Two coil sets for HRO-7, C coil 3.5-7.3 Mc and 180 to 430 kc coil. Will trade or buy. Have spare E coil .9-2 mc. T.W. Chisholm W4FP, P. O. Box 2273, Lakeland, Florida.

FOR SALE: New Heath HW-12 75 meter xcvr, 200 watts, with Hustler 75 meter mobile antenna, bumper mount, microphone, spkr, first $150. gets the works. Mack G. Britton W4DVR P.O. Box 1717, Ocala, Fla.

FOR SALE: Poly-Com 6 meter rig with 2 hrs operating time, purch June 1, original cost $330. Harry Mottinger K4ZNB, 662 NE 138 St., No. Miami, Fla., PL 4-6556.

WANTED: 6 meter transceiver to operate in mobile or fixed position. David Goodman, K4ELT, Route 3, Box 395, Lakeland, Florida 33801.

FOR SALE: SX-111; heavy duty multi tap modulation transformer, matches most any load and modulates up to 1 KW AM. 5 inch osciloscope. Eugene Blake, M.D., K4OHR, 1806 Gibbs Dr., Tallahassee, Fla. 32303

WANTED: More Jacksonville, Tampa, Ft. Lauderdale, Key West and Clearwater c.w. operators to check into QFN, Florida's only all-state c.w. net on 3651kc any day at 2330 or 0300 GMT. HELP PLEASE. W4LUV, Orlando WFN Mgr.

FOR SALE: Hallicrafters SR-160, mint condition. $195. Swan SW-120 - all factory modifications - slip-in mobile mount. Goood condition. $110. Swan DC Supply - run either unit - $65. Hustler with 40 and 80 resonators. $17. W4FPS - 657 NE 151 St., North Miami Beach, Fla. WI 7-7863.

FOR SALE: Gonset Communicator IV 2 mtr. transceiver in mint condx $200.00. Heath Shawnee HW-10 6 meter xcvr also FB condx $95.00; SX-43 rcvr, 6-80 M, $45.00. Paul Steves WA4DCJ, 15255 SW 300 St., Homestead, Fla., Phone 247-1786.

FOR SALE: Ranger II vy clean $165; Clegg 99er $100; Bill Miller WA4JAY, 207 Palm Ave., Auburndale, Fla.

FOR SALE: HQ 180 and DX 30, $275.00 complete. Floyd R. Alsbury 19440 NW 1st Avenue, Miami, Florida, NA 4-5383.

FOR SALE: Johnson Valiant $125.00. HQ-145 with clock $125.00. 40 meter HiGain beam $65.00. Floyd Jones WA4IXS, 27 Rubie Lane, Lake Worth, Fla. Phone 965-7620.

BARGAINS Moving must sell. Heath tunnel diper $20.00. NC270 receiver in carton like new, 6 thru 80 $165.00. Heath SWR bridge $10.00. Two APX-6 rigs for 1220 mc. band both converted and working with 30 inch dish and corner reflector ants, two 50 ft UHF coax with connectors. Both rigs working OK been on air 18 months. This is seal $75.00. 4 element 6 meter beam free to first sale above. Walt Stock W4IIS, 117 N.W. 100th St., Miami Shores, Fla. Phone 4-2995.

QUESTIONNAIRE

Are you a Tradesman?
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If so, you are eligible to take advantage of our new "Help your Fellow Ham" group. Write immediately for further information or ask K4ADD, W4CKB, W4NUR, W4IAD, K4OFI, W4NVU, W4WVO, WA4BAL, W4ID, W2GHK, or W4JO; FLORIDA SKIP, Inc., Box 501, Miami Springs, Fla. 33166.

FOR SALE: PIERSON KE93 mobile/fixed receiver with a.c./d.c. supplies. $75.00. Collins 75A2, manual in excellent condition $200.00. Heath SG-7 signal generator $9.50. Heath Cheyenne MT-1 with UT-1 A.C. supply phone/c.w. 90 watts all bands. $65.00. ARC 3 to 6 mc rcvrs converted to ac useage $9.00. Back issue of QST .10 each. Andy Clark W4IYT, 41 Lenape Dr., Miami Springs, Fla. 33166. Phone 888-3874.

WANTED: More large sharp phots showing operator. Editor SKIP.

LETTERS— Cont. from Page 2

code speed can be accomplished by most anyone, and likewise the technical aspect with a little study. This will be done, and no sooner have the multitude complied will lapse back into the rut, and not put it to use any more than it has been in the past.

The few agitators for this change call it incentive, adding thousands of dollars expense to our taxes to provide issuing these new licenses besides the extra thousands cost to the hams.

If they want incentive, and good use to be made of all this increase in code speed and technology. Then let them dream up something like a six months check a pilot gets from the FAA plus his physical each six months. This would be a recheck on code speed and latest technology. I will then say a real incentive has been accomplished, however, the group that figures they are sharper than the rest of the hams and know what is good for them would scream to the high heavens. So how about taking it a little easy on those that don't follow the crowd and dissent.

Ralph Coady
W4BNI, Tampa, Fla.

QFN REPORT
By Chuck, W4LUV, RM E. Fla.

Sessions: 62 (all reported, macanudo hombres)

Total QNI:	866	Aver. QNI:	13.9
Total QTC:	1035	Aver. QTC:	16.7
Total minutes in session:	1961	Aver. QNF:	31.3
Rate (msgs/min:	0.527	Different Stations:	63

Soapbox: Key city representation continues to be good except for Jax and Tampa. Panama City seems to be picking up, with PCLA and FWB very good and TLH improved. The Jax - Daytona - St. Augustine stretch remains QFN's most serious coverage defiency area.

Traffic and QNI's are picking up, but the rate (msgs per minute) is deteriorating slightly and I hope to make this a target for net proficiency objectives to be set during the fall and winter.

K4KDN and W4TRS plan to curtail net activity somewhat or totally and they will both be missed. I am approaching the limit of the work load I can carry: the QFN Bulletin, RM work, and my own large family and demanding job all add up to a rather dismaying total, so any relief you chaps who publish newspapers and attend hamfests, club meetings, etc., can recruit, will be deeply appreciated.

Florida SSB ASS'N.

Why is it that a man will stay at home every Sunday at 5 P.M. week after week, after week? This is a question that I have been asked many, many times.

It all started about a year ago. The XYL and I were driving through South Carolina on our way home from a vacation in New England. We were taking turns tuning around the band, looking for an interesting QSO so we could do a little eavesdropping.

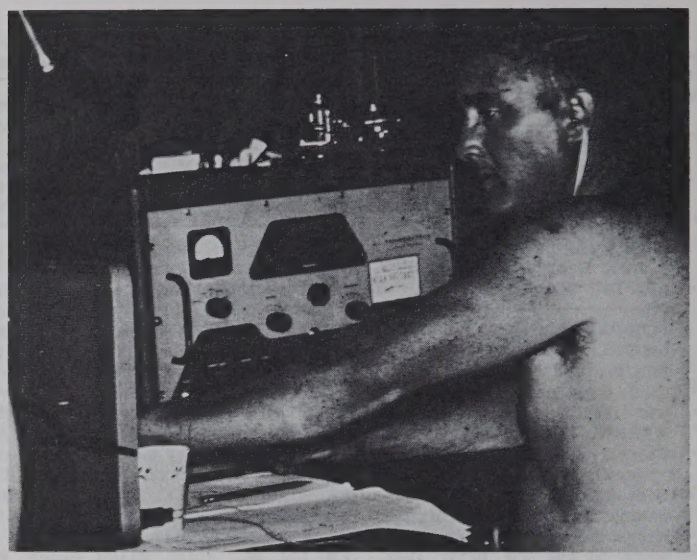
Suddenly, there it was -- a familiar voice. We had heard this voice many times before but had no idea who it belonged to. But that day it was different; a meeting was being called to order. We decided to sit back and listen as we rolled along the highway. The very pleasant voice had, by then, announced that the two-hundred-and-some-odd meeting of the Florida Side Banders was called to order and asked for the invocation to be given. Then a roll call -- at the time it seemed to be the longest roll call that we ever heard. By this time, we were beginning to lose interest and pulled off the road to change resonators so that we could try for a phone patch back to New England on twenty.

Then, the announcement was made that there would be a program for the day and the subject would be Mobile Operations. We had heard this discussed many times in the past and, as far as we were concerned, there was not much more that could be said. I was rummaging around in the back seat looking for the twenty-meter resonator when suddenly I realized that this was a new approach. The discussion on Mobile Operations was being given by an Internal Revenue Agent.

For the next few minutes we listened to the funniest description of mobile operations that we had ever heard. Before it was over, we had laughed so hard that we were almost crying. We looked at each other and wondered how this I.R.A. could possibly have known what I had been going through for the past few days, mobiling with the XYL, and I knew then that association with a group like this suddenly seemed very important to me.

This is how it all started more than a year ago and this is why we can be found at home on Sunday at 5 P.M. week after week after week.

WA4PSD, Secretary
The Florida Side Banders Association



This rare specimen of masculinity is Hatz Alderman, K4JUZ, "point maker" for two consecutive years. With his trusty "Benton Harbor Kilowatt" and plenty of know how, he's "racking-'em-up" during the 1965 Field Day.

Hatz is an avid CW operator and represented the Gainesville Radio Amateur Society.

This picture was taken at 3:30 am on Sunday, after 9½ hours at the "bug and keyer" and looks kinda pooped. Some of the spots on his back are mosquitoes. After 5 hours rest he was still "hard at it" when Field Day was over. (Photo via K4RDP)

AND IT COST SO LITTLE

If you want to harvest a crop of happiness, the surest way is to plant a field of good deeds. One kind act done each day will reap a hundredfold of joy. Kind deeds are the soothing and effective lubricant which, poured on the frustrations of live, give double joy because it is a shared joy. Real happiness does not consist so much in being served as is being a servant. Kindness is an overflow of self on others, and we achieve happiness by making others happy.

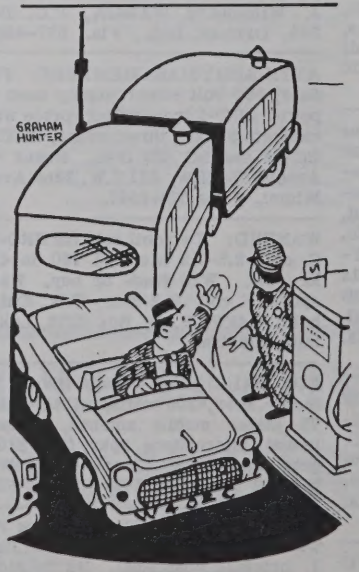
A warm press of the hand, a sympathetic glance, a cheerful greeting --- small things, to be sure, but they yield rich dividends in human happiness.

Albert J. Nimeth, O.F.M.

MEMBERSHIP CHANGES OF ADDRESS

Four weeks' notice is required to effect change of address. When notifying, please give old as well as new address. Advise promptly so that you will receive every issue of FLORIDA SKIP without interruption.

In the future if your SKIP is returned to us by the Post Office Department we'll be forced to remove your name from our mailing list.



"Our unmarried daughter insisted on having a place of her own."

Antenna Reports

By Jim Wilson WA4RXG

Many of us have to use inverted Vees for our 80 and 40 meter antennas because of lot limitations.

In may case, mine comes down from just below my 20 meter beam and is shaped something like a rhombic standing on its head. The 40 meter legs parallel the 80 meter antenna to where the latter had to turn a corner. On one of these legs this corner was only about a foot off of the roof of my house. The other leg was entirely in the clear.

Having an SWR of 4.5/1 on 40 I decided that the wiring and conduits in the attic of my house must be distorting the nearby leg. Using a 20 ft. tower to raise that leg I was amazed to find that immediately the SWR dropped to 2/1, and at the exact resonance point of the antenna it was unity.

Now by pruning my 80 meter antenna I have accomplished the same favorable SWR on that band.

Let me suggest that if others have their inverted Vees coming down close to a roof they should make an attempt to raise it 5 or 10 feet higher and the results will be very gratifying.

New Fla. Road Map

The 1965 Florida State Road Department Map is a beauty! Through the fine efforts of W4MLE, W4GAA and others in Tallahassee, there appears a sign smack dab in the middle of it which reads: "STATEWIDE AMATEUR RADIO CALLING AND EMERGENCY FREQUENCIES 29,560 and 3,940 kc." All visitors to Florida receive this map at gateway points. Have been told that over 3.5 million 1965 maps have been printed and being given away by the thousands each day.

If you'd like to have one of these, we'd suggest you make your request to the State Road Department, Tallahassee. Needless to say they will come in real handy for all traffic operators.